

- 1 XGS-PON port
- 1 LAN Gigabit Ethernet port
- 1 10G LAN port<sup>1</sup>
- 1 SFP+ port<sup>2</sup>



**NTX-1, NTX-1F** are high-performance multifunctional subscriber terminals designed to access modern telephony services, IPTV, OTT and high-speed Internet. NTX series subscriber terminals allow operators to provide users with a wide range of services and opportunities for working on a local network.

#### XGS-PON technology

- XGS-PON technology is one of the most advanced and efficient solutions to "last mile" problems, which allows significant savings on cable infrastructure and provides symmetrical data transfer rate of up to 10 Gbps in the downlink direction and 10 Gbps in the uplink direction. Using solutions based on XGS-PON technology in access networks makes it possible to provide the end user with an access to a set of services based on the IP protocol.

#### Provided services

- High-speed Internet access
- Video streaming/High Definition TV/IPTV, Video on Demand (VoD), video conference
- Online entertainment and educational programs

#### Application

- Providing broadband access services to subscribers in apartment buildings, residential complexes, student campuses and cottage villages
- Building corporate networks in large strategic enterprises and in business centers with high requirements to security and data transfer rates

#### NTX interfaces configuration

	PON	LAN
<b>NTX-1</b>	1 × XGS-PON	1 × 10/100/1000BASE-T (RJ-45), 1 × 100/1000/2.5G/5G/10GBASE-T (RJ-45)
<b>NTX-1F</b>	1 × XGS-PON	1 × 10/100/1000BASE-T (RJ-45), 1 × 10GBASE-T (SFP+) or 10GBASE-R (SFP+)

<sup>1</sup> Only for NTX-1.

<sup>2</sup> Only for NTX-1F.

## Features and capabilities

### Interfaces

- 1 × XGS-PON
- SC/APC connector type
- Fiber optic cable SMF — 9/125, G.652
- Range — up to 100 km
- Transmitter:
  - POC laser (DFB), pulse generation mode, wave-length 1270 nm
  - Data transfer rate: 9953 Mbps
- Average output power: +4..+8 dBm
- Receiver:
  - APD/TIA CW Mode Digital Receiver, wave-length 1577 nm
  - Data transfer rate: 9953 Mbps
  - Sensitivity: -28 dBm, BER<1.0x10<sup>-10</sup>
  - Optical overload of the receiver: -8 dBm

### Security features

- Rate limiting on ports
- FEC coding

### Physical features

- Dimensions (W × H × D) — 234 × 34 × 133 mm, desktop implementation
- Power supply: 12 V, no more than 2 A
- Operating temperature: from +5 to +40 °C
- Relative humidity: up to 80 %

### Functions

- Operation in the "bridge" mode
- IGMP Snooping

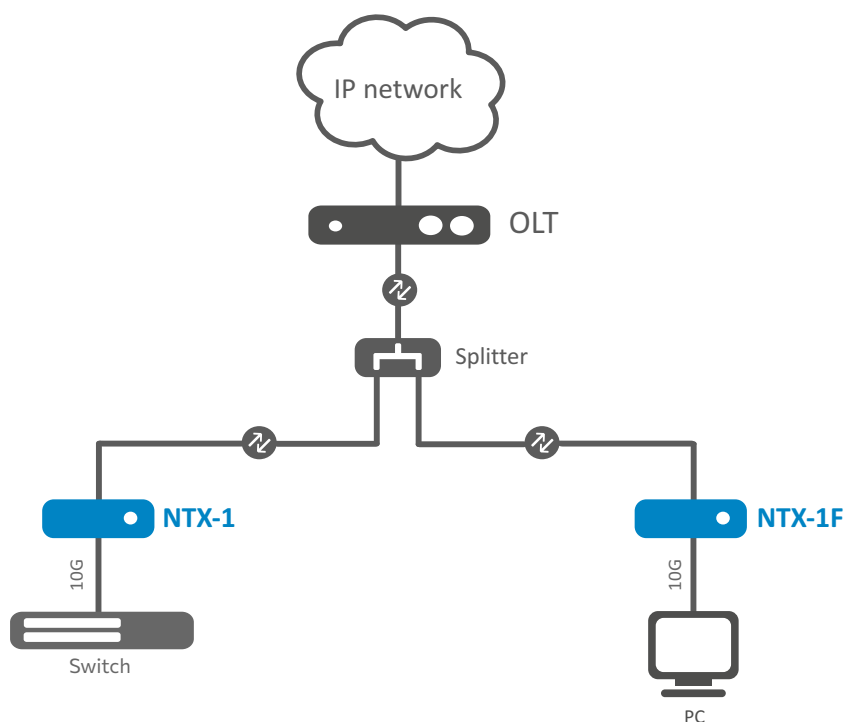
### Standards

- ITU-T G.9807.1 XGS-PON

### LAN

- 1 × Ethernet 10/100/1000BASE-T (RJ-45)
- 1 × Ethernet 100/1000/2.5G/5G/10GBASE-T (RJ-45)<sup>1</sup>
- 1 × 10GBASE-T (SFP+, RJ-45) or 10GBASE-R (SFP+)<sup>2</sup>

## Use case



<sup>1</sup> Only for NTX-1.

<sup>2</sup> Only for NTX-1F.

#### Ordering information

Name	Description
NTX-1	NTX-1, 1 × XGS-PON, 1 × 10/100/1000BASE-T (RJ-45), 1 × 100/1000/2.5G/5G/10GBASE-T (RJ-45)
NTX-1F	NTX-1F, 1 × XGS-PON, 1 × 10/100/1000BASE-T (RJ-45), 1 × 10GBASE-T (SFP+) or 10GBASE-R (SFP+)

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**Eltex Enterprise** is a leading Russian developer and manufacturer of communication equipment with 30 years of history. Complete solutions and their seamless integrability into the Customer's infrastructure are the priority growth areas of the company.